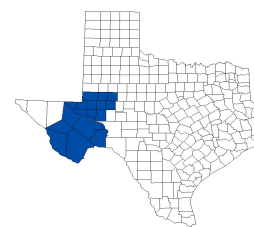


# Texas Cardiovascular Health & Wellness Program

## Texas Department of State Health Services



### Stroke Facts

### Texas Trauma Service Area (TSA) J

Updated July 2009

<http://www.dshs.state.tx.us/wellness/data.shtm>

#### Demography of TSA J in 2007 (Estimated Texas Population)

	Age	Total	Male	Female	Percent
	0-17	104,913	53,574	51,339	27.3
	18-29	70,116	36,025	34,091	18.3
	30-34	68,548	34,772	33,776	17.9
	35-64	92,340	45,808	46,532	24.1
	65+	47,921	20,888	27,033	12.5
	<b>Total</b>	<b>383,838</b>	<b>191,067</b>	<b>192,771</b>	<b>100.0</b>

Prevalence <sup>1</sup> (%) of Stroke, Adults (18+ years), 2005 - 2008			Stroke Age-Adjusted Mortality Rates <sup>2</sup> per 100,000, 2001- 2006			
	TSA J	Texas	TSA J	Texas	TSA J Age <65	TSA J Age 65+
<b>Total</b>	3.1	2.7	53.4	57.4	5.9	363.8
<b>Male</b>	1.6	2.3	50.4	53.8	6.3	314.9
<b>Female</b>	4.5	3.0	54.9	59.1	5.5	401.0
<b>White</b>	3.9	2.9	51.3	56.2	5.4	368.5
<b>African American</b>	*	4.3	78.2	85.2	13.6	476.7
<b>Hispanic</b>	2.2	1.9	53.5	47.4	5.5	301.4

#### Hospital Discharge Data<sup>3</sup> for Stroke, Texas, 2007

	Total		Age < 65		Age 65+	
	TSA J	Texas	TSA J	Texas	TSA J	Texas
<b>Number of Discharges</b>	848	51,249	293	18,332	555	32,917
<b>Ischemic</b>	710	42,343	230	14,064	480	28,279
<b>Hemorrhagic</b>	138	8,906	63	4,268	75	4,638
<b>Total Charges</b>	\$24,736,661	\$2,111,291,385	\$9,857,332	\$927,437,750	14,879,330	\$1,183,853,635
<b>Ischemic</b>	\$18,320,920	\$1,467,565,641	\$5,986,231	\$532,312,708	\$12,334,690	\$935,252,932
<b>Hemorrhagic</b>	\$6,415,741	\$643,725,744	\$3871,101	\$395,125,041	\$2,544,640	\$248,600,703

#### Texas EMS/Trauma Registry Data<sup>4</sup> for TSA J by Time (Min), 2007

	TSA J	Texas
<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b>	7.3	9.1
<b>Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)</b>	13.9	18.1
<b>Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)</b>	8.8	14.3
<b>Delivery Time = (Time Call Received – Time EMS Arrived at Destination)</b>	29.8	40.2

<sup>1</sup> Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for respondents 18 years and older who report that they have been diagnosed as having had a stroke. 2005, 2006, 2007, and 2008

<sup>2</sup> Texas Department of State Health Services Vital Statistics Unit. Mortality due to stroke (ICD-10 Code I60-I69). Age adjusted to the US 2000 census population. 2001-2006

<sup>3</sup> Texas Health Care Information Council, Inpatient Hospital Discharge Public Use Data File, for persons all ages. Stroke (ICD-9 Code 430-432, 436-438, 433, 434). 2001-2006

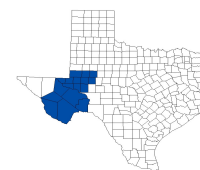
<sup>4</sup> Texas EMS/Trauma Registry. The selection criteria are:

- Calls received during 2007
- Suspected illness types defined as stroke/CVA
- Medical-related calls only (i.e. calls exclusively related to trauma were excluded)
- 911 calls only (no inter-facility transfers)
- Texas residents only

\* Unable to calculate due to small sample size (< 50 respondents).

# Texas Cardiovascular Health & Wellness Program

## Texas Department of State Health Services



### Stroke Facts

#### Texas Trauma Service Area (TSA) J

#### Stroke Risk Factors<sup>1</sup>, Texas, 2005, 2006, 2007, 2008

<b>Diabetes</b>	<b>TSA J</b>	<b>Texas</b>	<b>High Blood Cholesterol (2005 &amp; 2007)</b>	<b>TSA J</b>	<b>Texas</b>
Total	10.9	9.0	Total	30.2	36.4
Male	8.6	8.8	Male	25.6	37.0
Female	12.9	9.2	Female	34.9	35.8
White	9.3	8.0	White	35.8	38.2
African American	*	12.4	African American	*	32.1
Hispanic	14.2	10.0	Hispanic	27.2	33.4
<b>Current Smoker</b>	<b>TSA J</b>	<b>Texas</b>	<b>High Blood Pressure (2005 &amp; 2007)</b>	<b>TSA J</b>	<b>Texas</b>
Total	23.3	18.9	Total	27.1	26.1
Male	29.6	22.0	Male	24.8	25.9
Female	17.7	16.0	Female	29.5	26.3
White	24.6	19.7	White	33.5	28.5
African American	*	22.6	African American	*	38.5
Hispanic	24.9	16.7	Hispanic	22.8	19.2
<b>Obesity<sup>2</sup> (BMI≥30)</b>	<b>TSA J</b>	<b>Texas</b>	<b>No Leisure Time Physical Activity<sup>3</sup></b>	<b>TSA J</b>	<b>Texas</b>
Total	26.7	27.7	Total	30.3	28.2
Male	20.4	28.1	Male	25.4	25.4
Female	32.9	27.3	Female	34.6	30.8
White	23.6	24.7	White	24.8	23.6
African American	*	38.1	African American	*	32.8
Hispanic	35.6	31.8	Hispanic	42.7	35.5

#### Recognition of Stroke Symptoms<sup>1</sup>, 2005

<b>Stroke Symptoms</b>	<b>% of Respondents Recognizing Symptoms</b>	
	<b>TSA J</b>	<b>Texas</b>
Sudden confusion or trouble speaking	79.4	76.3
Sudden numbness or weakness of face, arms, legs (especially on one side)	91.0	86.5
Sudden trouble seeing in one or both eyes	70.6	61.6
Sudden trouble walking, dizziness, or loss of balance	86.2	78.2
Severe headache with no known cause	72.2	57.4
Recognizes all stroke symptoms	20.4	17.0
Would call 911 as a first response if <b>Heart Attack OR Stroke</b> is suspected	89.3	85.1

<sup>1</sup> Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for respondents 18 years and older who report that they have been diagnosed with high blood pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high blood cholesterol; Respondents 18 years and older who report that they have been diagnosed with diabetes. Does not include gestational diabetes. 2005, 2006, 2007 and 2008

<sup>2</sup> Obese > 95th Percentile for BMI by Age/Sex: <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

<sup>3</sup> Physical activity recommendation- percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey  
<http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

\* Unable to calculate due to small sample size (< 50 respondents).